STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: *10/510,658*
Source: *PCT*
Date Processed by STIC: *2/6/06*

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.2.2 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
        http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (**<http://www.uspto.gov/ebc/efs/downloads/documents.htm>** , **EFS Submission User Manual** - ePAVE)
2. **U.S. Postal Service:** Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. **Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):**
    U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/24/05

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: _10/510, 658_

1 ____Wrapped Nucleics   The number/text at the end of each line "wrapped" down to the next line. This may occur if your file
Wrapped Aminos   was retrieved in a word processor **after** creating it. Please adjust your right margin to .3; this will
prevent "wrapping."

2 ____Invalid Line Length   The rules require that a line **not exceed 72** characters in length. This includes white spaces.

3 ____Misaligned Amino   The numbering under each 5th amino acid is misaligned. Do **not** use tab codes between numbers;
Numbering   use **space characters**, instead.

4 ____Non-ASCII   The submitted file was **not** saved in ASCII(DOS) text, as **required** by the Sequence Rules. **Please
ensure your subsequent submission is saved in ASCII text.**

5 ____Variable Length   Sequence(s)____contain n's or Xaa's representing more than one residue. **Per Sequence Rules,
each n or Xaa can only represent a single residue.** Please present the **maximum** number of each
residue having variable length and indicate in the <220>-<223> section that some may be missing.

6 ____PatentIn 2.0   A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid
"bug"   sequences(s) _____. Normally, PatentIn would automatically generate this section from the
previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to
the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for
Artificial or Unknown sequences.**

7 ____Skipped Sequences   Sequence(s) _____ missing. If intentional, please insert the following lines for **each** skipped sequence:
(OLD RULES)   (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i)   SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to **include** the skipped sequences.

8 ____Skipped Sequences   Sequence(s) _____ missing. If **intentional**, please insert the following lines for **each** skipped sequence.
(NEW RULES)   <210> sequence id number
<400> sequence id number
000

9 ____Use of n's or Xaa's   Use of n's and/or Xaa's have been detected in the Sequence Listing.
(NEW RULES)   Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of **n** or **Xaa**, and which residue **n** or **Xaa** represents.

10 ____Invalid <213>   Per 1.823 of Sequence Rules, the only **valid** <213> responses are: Unknown, Artificial Sequence, or
Response   scientific name (Genus/species). <220>-<223> section is **required** when <213> response is Unknown or
is Artificial Sequence

11 ____Use of <220>   Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses.
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or
"Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32)   (Sec. 1.823 of Sequence Rules)

12 ____PatentIn 2.0   Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file,
"bug"   resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence
listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13 ____Misuse of n/Xaa   "n" can **only** represent a single <u>nucleotide</u>; "Xaa" can **only** represent a single <u>amino acid</u>
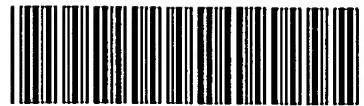
PCT

RAW SEQUENCE LISTING   DATE: 02/06/2006
PATENT APPLICATION: US/10/510,658   TIME: 14:07:01

            Input Set : **F:\ARS-104.seq.list.txt**
            Output Set: **N:\CRF4\02012006\J510658.raw**

```
    3 <110> APPLICANT: Applied Research Systems ARS holding
    5 <120> TITLE OF INVENTION: NOVEL ANTAGONISTS OF MCP PROTEINS
    7 <130> FILE REFERENCE: WO512
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/510,658
C--> 9 <141> CURRENT FILING DATE: 2004-10-07
    9 <160> NUMBER OF SEQ ID NOS: 8
   11 <170> SOFTWARE: PatentIn version 3.0
   13 <210> SEQ ID NO: 1
   14 <211> LENGTH: 99
   15 <212> TYPE: PRT
   16 <213> ORGANISM: Homo sapiens
   18 <400> SEQUENCE: 1
   20 Met Lys Val Ser Ala Ala Leu Leu Cys Leu Leu Leu Ile Ala Ala Thr
   21 1               5                  10                  15
   23 Phe Ile Pro Gln Gly Leu Ala Gln Pro Asp Ala Ile Asn Ala Pro Val
   24              20                  25                  30
   26 Thr Cys Cys Tyr Asn Phe Thr Asn Arg Lys Ile Ser Val Gln Arg Leu
   27          35                  40                  45
   29 Ala Ser Tyr Arg Arg Ile Thr Ser Ser Lys Cys Pro Lys Glu Ala Val
   30      50                  55                  60
   32 Ile Phe Lys Thr Ile Val Ala Lys Glu Ile Cys Ala Asp Pro Lys Gln
   33 65                  70                  75                  80
   35 Lys Trp Val Gln Asp Ser Met Asp His Leu Asp Lys Gln Thr Gln Thr
   36                  85                  90                  95
   38 Pro Lys Thr
   41 <210> SEQ ID NO: 2
   42 <211> LENGTH: 77
   43 <212> TYPE: PRT
   44 <213> ORGANISM: synthetic construct
   46 <400> SEQUENCE: 2
   48 Met Gln Pro Asp Ala Ile Asn Ala Pro Val Thr Cys Cys Tyr Asn Phe
   49 1               5                  10                  15
   51 Thr Asn Arg Lys Ile Ser Val Gln Arg Leu Ala Ser Tyr Arg Arg Ile
   52              20                  25                  30
   54 Thr Ser Ser Lys Cys Pro Lys Glu Ala Val Ile Phe Lys Thr Ile Val
   55          35                  40                  45
   57 Ala Lys Glu Ile Cys Ala Asp Pro Lys Gln Lys Trp Val Gln Asp Ser
   58      50                  55                  60
   60 Ile Asp His Leu Asp Lys Gln Thr Gln Thr Pro Lys Thr
   61 65                  70                  75
   63 <210> SEQ ID NO: 3
   64 <211> LENGTH: 77
   65 <212> TYPE: PRT
```

Does Not Comply Corrected Diskette Needed

Invalid <213> response - see item 10 on Error Summary sheet

RAW SEQUENCE LISTING   DATE: 02/06/2006
PATENT APPLICATION: US/10/510,658   TIME: 14:07:01

Input Set : F:\ARS-104.seq.list.txt
Output Set: N:\CRF4\02012006\J510658.raw

```
66 <213> ORGANISM: synthetic construct
68 <400> SEQUENCE: 3
70 Met Gln Pro Asp Ala Ile Asn Ala Pro Val Thr Cys Cys Tyr Asn Phe
71 1               5                   10                  15
73 Thr Asn Ala Ala Ile Ser Val Gln Arg Leu Ala Ser Tyr Arg Arg Ile
74              20                  25                  30
76 Thr Ser Ser Lys Cys Pro Lys Glu Ala Val Ile Phe Lys Thr Ile Val
77          35                  40                  45
79 Ala Lys Glu Ile Cys Ala Asp Pro Lys Gln Lys Trp Val Gln Asp Ser
80      50                  55                  60
82 Ile Asp His Leu Asp Lys Gln Thr Gln Thr Pro Lys Thr
83 65                  70                  75
85 <210> SEQ ID NO: 4
86 <211> LENGTH: 76
87 <212> TYPE: PRT
88 <213> ORGANISM: Homo sapiens
90 <400> SEQUENCE: 4
92 Gln Pro Asp Ala Ile Asn Ala Pro Val Thr Cys Cys Tyr Asn Phe Thr
93 1               5                   10                  15
95 Asn Arg Lys Ile Ser Val Gln Arg Leu Ala Ser Tyr Arg Arg Ile Thr
96              20                  25                  30
98 Ser Ser Lys Cys Pro Lys Glu Ala Val Ile Phe Lys Thr Ile Val Ala
99          35                  40                  45
101 Lys Glu Ile Cys Ala Asp Pro Lys Gln Lys Trp Val Gln Asp Ser Met
102     50                  55                  60
104 Asp His Leu Asp Lys Gln Thr Gln Thr Pro Lys Thr
105 65                  70                  .75
107 <210> SEQ ID NO: 5
108 <211> LENGTH: 76
109 <212> TYPE: PRT
110 <213> ORGANISM: Homo sapiens
112 <400> SEQUENCE: 5
114 Gln Pro Asp Ser Val Ser Ile Pro Ile Thr Cys Cys Phe Asn Val Ile
115 1               5                   10                  15
117 Asn Arg Lys Ile Pro Ile Gln Arg Leu Glu Ser Tyr Thr Arg Ile Thr
118              20                  25                  30
120 Asn Ile Gln Cys Pro Lys Glu Ala Val Ile Phe Lys Thr Lys Arg Gly
121          35                  40                  45
123 Lys Glu Val Cys Ala Asp Pro Lys Glu Arg Trp Val Arg Asp Ser Met
124     50                  55                  60
126 Lys His Leu Asp Gln Ile Phe Gln Asn Leu Lys Pro
127 65                  70                  75
129 <210> SEQ ID NO: 6
130 <211> LENGTH: 76
131 <212> TYPE: PRT
132 <213> ORGANISM: Homo sapiens
134 <400> SEQUENCE: 6
136 Gln Pro Val Gly Ile Asn Thr Ser Thr Thr Cys Cys Tyr Arg Phe Ile
137 1               5                   10                  15
```

```
139 Asn Lys Lys Ile Pro Lys Gln Arg Leu Glu Ser Tyr Arg Arg Thr Thr
140           20              25              30
142 Ser Ser His Cys Pro Arg Glu Ala Val Ile Phe Lys Thr Lys Leu Asp
143           35              40              45
145 Lys Glu Ile Cys Ala Asp Pro Thr Gln Lys Trp Val Gln Asp Phe Met
146     50              55              60
148 Lys His Leu Asp Lys Lys Thr Gln Thr Pro Lys Leu
149 65              70              75
151 <210> SEQ ID NO: 7
152 <211> LENGTH: 75
153 <212> TYPE: PRT
154 <213> ORGANISM: Homo sapiens
156 <400> SEQUENCE: 7
158 Gln Pro Asp Ala Leu Asn Val Pro Ser Thr Cys Cys Phe Thr Phe Ser
159 1           5               10              15
161 Ser Lys Lys Ile Ser Leu Gln Arg Leu Lys Ser Tyr Val Ile Thr Thr
162           20              25              30
164 Ser Arg Cys Pro Gln Lys Ala Val Ile Phe Arg Thr Lys Leu Gly Lys
165           35              40              45
167 Glu Ile Cys Ala Asp Pro Lys Glu Lys Trp Val Gln Asn Tyr Met Lys
168     50              55              60
170 His Leu Gly Arg Lys Ala His Thr Leu Lys Thr
171 65              70              75
173 <210> SEQ ID NO: 8
174 <211> LENGTH: 74
175 <212> TYPE: PRT
176 <213> ORGANISM: Homo sapiens
178 <400> SEQUENCE: 8
180 Gly Pro Ala Ser Val Pro Thr Thr Cys Cys Phe Asn Leu Ala Asn Arg
181 1           5               10              15
183 Lys Ile Pro Leu Gln Arg Leu Glu Ser Tyr Arg Arg Ile Thr Ser Gly
184           20              25              30
186 Lys Cys Pro Gln Lys Ala Val Ile Phe Lys Thr Lys Leu Ala Lys Glu
187           35              40              45
189 Ile Cys Ala Asp Pro Lys Lys Lys Trp Val Gln Asp Ser Met Lys Tyr
190     50              55              60
192 Leu Asp Gln Lys Ser Pro Thr Pro Lys Pro
193 65              70
```

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/510,658

DATE: 02/06/2006
TIME: 14:07:02

Input Set : **F:\ARS-104.seq.list.txt**
Output Set: **N:\CRF4\02012006\J510658.raw**

L:9 M:270 C: ·Current Application Number differs, Replaced Current Application No
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date